

### III. CLAIM AMENDMENTS

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1. (Currently amended) A method for storing and informing at least one property of a wireless communication device to a mobile communication network, ~~in which~~ comprising:

storing information for identifying said the wireless communication device in the communication network is stored in the wireless communication device and information relating to at least one property of said the wireless communication device is stored in an information frame in a memory in of said the wireless communication device, said information frame being arranged to store both of said information for identifying the wireless communication device and said information relating to at least one property of the wireless communication device; and

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transmitted from said wireless communication device to the mobile communication network, wherein an information element for storing said information for identifying said the wireless communication device and said information relating to at least one property of the wireless communication device is formed in from the wireless communication device to the mobile communication network.

2. (Currently amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from ~~said the~~ wireless communication device to the mobile communication network in connection with registration of ~~said the~~ wireless communication device to the mobile communication network.

3. (Currently amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from ~~said the~~ wireless communication device to the mobile communication network prior to a call being set-up with ~~said the~~ wireless communication device.

4. (Currently amended) The method according to claim 3, wherein the information relating to at least one property of the wireless communication device is checked in the mobile communication network ~~to determine if it is appropriate for the type of call during call set-up with said the~~ wireless communication device to determine if the wireless communication device is able to receive and handle the call, and wherein a call is not established if the information relating to at least one property of the wireless communication device is not appropriate for the type of call.

5. (Currently amended) The method according to claim 1, wherein said information relating to at least one property of the wireless communication device is transmitted from ~~said the~~ wireless communication device to the mobile communication network in connection with a handover.

6. (Previously amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device is transmitted to a mobile services switching center of the mobile communication network, or a serving GPRS support node.

7. (Currently amended) The method according to claim 1, ~~in which method an International Mobile Station Equipment Identity is defined for said wireless communication device, and wherein the information relating to at least one property of the wireless communication device is stored in the information frame is an~~ International Mobile Station Identity defined for the wireless communication device, and said International Mobile Station Equipment Identity is arranged to store both of said information for identifying the wireless communication device and said information relating to at least one property of the wireless communication device.

8. (Previously amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity comprises at least one field for storing the information relating to at least one property of the wireless communication device, and the length of said field is fixed.

9. (Previously amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity comprises at least one field for storing the information relating to at least one property of the wireless communication device, and the length of said field is variable.

10. (Previously amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity is divided into a non-modifiable part and a modifiable part, and at least part of the information relating to at least one property of the wireless communication device is stored in said modifiable part.

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11. (Currently amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity is stored in the memory of the wireless communication device in connection with manufacturing of the wireless communication device.

12. (Currently amended) The method according to claim 7, wherein the International Mobile Station Equipment Identity is updated in connection with a change in the properties of the wireless communication device or when a peripheral device is connected to the wireless communication device.

13. (Currently amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device transmitted from ~~said the~~ wireless communication device to the mobile communication

network is stored at least in the mobile services switching center of the mobile communication network.

14. (Currently amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device transmitted from the wireless communication device to the mobile communication network is stored temporarily in the mobile communication network.

15. (Previously amended) The method according to claim 1, wherein the wireless communication device comprises a mobile phone.

16. (Currently amended) The method according to claim 1, wherein the wireless communication device comprises a Communicator that has the combined properties of a cellular mobile telephone and a personal digital assistant.

17. (Previously amended) The method according to claim 1, wherein the wireless communication device comprises a radio card.

18. (Previously amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device contains information about at least one hardware property of the wireless communication device.

19. (Previously amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device contains information about at least one software property of the wireless communication device.

20. (Currently amended) The method according to claim 1, wherein the information relating to at least one property of the wireless communication device contains information about at least one preference of the user of the wireless communication device.

21. (Previously amended) The method according to claim 1, wherein modification of the information relating to at least one property of the wireless communication device by the user of the wireless communication device is prevented.

22. (Currently amended) The method according to claim 1, further comprising ~~steps for~~ establishing a call for transmitting information from a ~~first~~ another communication device to a ~~second~~ said wireless communication device, ~~wherein said second communication device is a wireless communication device, wherein and the information to be transmitted from said other communication device is optimized for use by the second wireless communication device in the mobile communication network, by using the information relating to at least one property of the ~~second~~ wireless communication device transmitted from the wireless communication device to the mobile communication network.~~

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23. (Currently amended) The method according to claim 1, further comprising ~~steps for~~ performing communication between the mobile communication network and another communication device, wherein information relating to at least one property of the wireless communication device is transmitted to said ~~another~~ communication device.

24. (Currently amended) The method according to claim 1, further comprising ~~steps for~~ performing communication between the mobile communication network and another communication network, wherein information relating to at least one property

of the wireless communication device is transmitted to said another communication network.

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25. (Currently amended) The method according to claim ~~162~~, wherein ~~information is transmitted from a first communication device to a second communication device, and wherein said second communication device is a wireless communication device, and~~the information to be transmitted is converted into a format suitable for the ~~second~~ wireless communication device in the ~~first~~ said other communication device.

26. (Currently amended) The method according to claim ~~122~~, wherein ~~information is transmitted from a first communication device to a second communication device, and wherein said second communication device is a wireless communication device, and~~the information to be transmitted is converted into a format suitable for the ~~second~~ wireless communication device in the mobile communication network.

27. (Cancelled)

28. (Currently amended) The wireless communication device according to claim ~~2765~~, further ~~comprising means for~~arranged to transmitting said information relating to at least one property of the wireless communication device to the mobile communication network in connection with registration of ~~said~~the wireless communication device to the mobile communication network.

29. (Currently amended) The wireless communication device according to claim ~~2765~~, further ~~comprising means for~~arranged to transmitting said information relating to at least one property of the wireless communication device to the mobile communication network prior to a call being set-up with ~~said~~the wireless communication device.

30. (Currently amended) The wireless communication device according to claim 2765, further ~~comprising means for~~ arranged to transmitting said information relating to at least one property of the wireless communication device ~~transmitted from said the~~ wireless communication device to the mobile communication network in connection with a handover.

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31. (Currently amended) The wireless communication device according to claim 2765 ~~comprising~~ wherein the information frame is an International Mobile Station Equipment Identity defined for the wireless communication device, wherein and said International Mobile Station Equipment Identity is arranged to store both of said information for identifying the wireless communication device in the mobile communication network and the said information relating to at least one property of the wireless communication device. is stored in the International Mobile Station Equipment Identity.

32. (Previously amended) The wireless communication device according to claim 31, wherein the International Mobile Station Equipment Identity comprises at least one field for storing the information relating to at least one property of the wireless communication device, the length of said field being fixed.

33. (Previously amended) The wireless communication device according to claim 31, wherein the International Mobile Station Equipment Identity comprises at least one field for storing the information relating to at least one property of the wireless communication device, said field being of a variable length.

34. (Previously amended) The wireless communication device according to claim 31, wherein the International Mobile Station Equipment Identity is divided into a non-modifiable part and a modifiable part, and at least part of the

information relating to at least one property of the wireless communication device is stored in said modifiable part.

35. (Currently amended) The wireless communication device according to claim 31, wherein the International Mobile Station Equipment Identity is stored in the memory of the wireless communication device in connection with manufacturing of the wireless communication device.

36. (Currently amended) The wireless communication device according to claim 31, wherein the International Mobile Station Equipment Identity is updated in connection with a change in the properties of the wireless communication device or when a peripheral device is connected to the wireless communication device.

37. (Previously amended) The wireless communication device according to claim 27, wherein the device comprises a mobile phone.

38. (Currently amended) The wireless communication device according to claim 27, wherein the device comprises a Communicator that has the combined properties of a cellular mobile telephone and a personal digital assistant.

39. (Currently amended) The wireless communication device according to claim 27, wherein the device comprises a radio card.

40. (Currently amended) The wireless communication device according to claim 27, further comprising means for transmitting information to the mobile communication network to be transmitted further to a second wireless communication device, further comprising means arranged to for converting the information to be transmitted from the wireless communication device to another wireless communication device into a format

suitable for the ~~second~~other wireless communication device, based on information relating to at least one property of the other wireless communication device received from ~~said~~ ~~second~~the other wireless communication device.

41. (Cancelled)

42. (Currently amended) The wireless communication system according to claim 41, wherein the wireless communication device is further comprising means for~~transmitting~~ arranged to transmitting said information relating to at least one property of the wireless communication device ~~from said wireless communication device to the mobile communication network in connection with registration of said~~the wireless communication device to the mobile communication network.

43. (Currently amended) The wireless communication system according to claim 41, wherein the wireless communication device is further comprising means for~~transmitting~~ arranged to transmitting said information relating to at least one property of the wireless communication device ~~from said wireless communication device to the mobile communication network prior to a call being set-up with said~~the mobile communication network.

44. (Currently amended) The wireless communication system according to claim 43, wherein the mobile communication network is further comprising means for~~checking~~ arranged to checking ~~the~~said information relating to at least one property of the wireless communication device during call set-up with the wireless communication device to determine if it is ~~appropriate for the call~~the wireless communication device is able to receive and handle the call. ~~during call set-up with said wireless communication device, and wherein a call is not established if the type of information relating to at least one property of the wireless communication device is not appropriate for the type of call.~~

45. (Currently amended) The wireless communication system according to claim 4172, wherein the wireless communication device is further comprising means for arranged to transmitting said information relating to at least one property of the wireless communication device ~~from said wireless communication device to the mobile communication network in connection with a handover.~~

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46. (Currently amended) The wireless communication system according to claim 4172, wherein the information frame is said ~~means for storing the information relating to at least one property of the wireless communication device comprises an International Mobile Station Equipment Identity defined for the wireless communication device, and said International Mobile Station Equipment Identity is arranged to store both of said information for identifying the wireless communication device in the mobile communication network and said information relating to at least one property of the wireless communication device.~~

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47. (Currently amended) The wireless communication system according to claim 4172, wherein the mobile communication network comprises means for storing ~~the~~ information relating to at least one property of the wireless communication device received from said wireless communication device.

48. (Currently amended) The wireless communication system according to claim 47, comprising a mobile services switching center, wherein ~~the~~ information relating to at least one property of the wireless communication device transmitted to the mobile communication network from the wireless communication device is stored in said mobile services switching center.

49. (Currently amended) The wireless communication system according to claim 47, comprising a register and wherein ~~the~~ information relating to at least one property of the wireless communication device transmitted to the mobile communication network from the wireless communication device is stored in said register.

50. (Currently amended) The wireless ~~E~~communication system according to claim ~~41~~72, further comprising means for communication between the mobile communication network and another communication device, and wherein the mobile communication network comprises means for transmitting ~~the~~ information relating to at least one property of the wireless communication device to said ~~another~~ communication device.

51. (Currently amended) The wireless ~~E~~communication system according to claim ~~41~~72, further comprising means for communication between the mobile communication network and another communication network, and wherein the mobile communication network comprises means for transmitting ~~the~~ information relating to at least one property of the wireless communication device to said ~~another~~ communication network.

52. (Currently amended) The wireless ~~E~~communication system according to claim ~~41~~72, further comprising means for establishing a call for communication between the wireless communication device and another communication device, wherein the communication is optimized by using the information relating to at least one property of the wireless communication device.

53. (Currently amended) The wireless ~~E~~communication system according to claim ~~41~~72, further comprising means for establishing a call for transmitting and receiving information between the wireless communication device and another communication device, and wherein the information is optimized

for use by the receiving communication device, by using the information relating to at least one property of the wireless communication device.

54. (Cancelled)

55. (Cancelled)

56. (Cancelled)

57. (Cancelled)

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58. (Currently amended) A method of manufacturing a wireless communication device in which information for identifying ~~said the~~ wireless communication device in a mobile communication network and information relating to at least one property of ~~said the~~ wireless communication device is stored in an information frame in a memory of said the wireless communication device, ~~and wherein an information element for storing said~~ information frame being arranged to store both of said information for identifying said wireless communication device and said information relating to at least one property of the wireless communication device. ~~is formed in the wireless communication device.~~

59. (Currently amended) A method according to claim 58, ~~in which~~ wherein the information frame is an International Mobile Station Equipment Identity ~~is defined for and stored in said the~~ wireless communication device, ~~and wherein the information relating to at least one property of the wireless communication device is stored in the International Mobile Station Identity.~~

60. (New) The method according to claim 1, wherein the information frame is further arranged to store information

about peripheral devices connected to the wireless communication device.

61. (New) The method according to claim 1, further comprising establishing a call for transmitting information from another communication device to said wireless communication device, wherein the mobile communication network optimizes a communication connection for the call by using the information relating to at least one property of the wireless communication device transmitted from the wireless communication device to the mobile communication network.

62. (New) The method according to claim 23, further comprising establishing a call for transmitting information from said other communication device to the wireless communication device, wherein said other communication device optimizes the information to be transmitted to correspond with the properties of the wireless communication device by using the information relating to at least one property of the wireless communication device transmitted to said other communication device.

63. (New) The method according to claim 23, wherein said other communication device is located in a communication network other than the mobile communication network.

64. (New) The method according to claim 24, further comprising establishing a call for transmitting information to the wireless communication device from a communication device in said other communication network, wherein the information to be transmitted from said communication device in the other communication network is optimized for use by the wireless communication device by using the information relating to at least one property of the wireless communication device transmitted to said other communication network.

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65. (New) A wireless communication device comprising:  
a memory;

a radio part comprising means for setting up a connection with a mobile communication network, means for transmitting information to the mobile communication network and means for receiving information from the mobile communication network;

wherein the wireless communication device further comprises an information frame, stored in the memory of the wireless communication device, said information frame being arranged to store both information for identifying the wireless communication device in the mobile communication network and information relating to at least one property of the wireless communication device.

66. (New) The wireless communication device according to claim 65, wherein the information frame is further arranged to store information about peripheral devices connected to the wireless communication device.

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67. (New) The wireless communication device according to claim 65, wherein the information relating to at least one property of the wireless communication device stored in said information frame contains information about at least one hardware property of the wireless communication device.

68. (New) The wireless communication device according to claim 65, wherein the information relating to at least one property of the wireless communication device stored in said information frame contains information about at least one software property of the wireless communication device.

69. (New) The wireless communication device according to claim 65, wherein the information relating to at least one property of the wireless communication device stored in said

information frame contains information about at least one preference of the user of the wireless communication device.

70. (New) The wireless communication device according to claim 65, wherein modification of the information relating to at least one property of the wireless communication device by the user of the wireless communication device is prevented.

71. (New) The wireless communication device according to claim 65, further arranged to optimize information to be transmitted from said wireless communication device to another wireless communication device to correspond with the properties of the other wireless communication device by using information relating to at least one property of the other wireless communication device received from the other wireless communication device.

72. (New) A wireless communication system comprising:

a mobile communication network;

a wireless communication device;

the wireless communication device comprising:

a memory;

a radio part comprising means for setting up a connection with the mobile communication network, means for transmitting information to the mobile communication network and means for receiving information from the mobile communication network;

wherein the wireless communication device further comprises an information frame, stored in the memory of the wireless communication device, said information frame being arranged to store both information for identifying the wireless communication device in the mobile communication network and information relating to at least one property of the wireless communication device.

73. (New) The wireless communication system according to claim 72, comprising means for establishing a call for

transmitting information from another communication device to said wireless communication device, wherein the mobile communication network is arranged to optimize the information to be transmitted from said other communication device for use by the wireless communication device by using the information relating to at least one property of the wireless communication device transmitted from the wireless communication device to the mobile communication network.

74. (New) The wireless communication system according to claim 72, comprising means for establishing a call for transmitting information from another communication device to said wireless communication device, wherein the mobile communication network is arranged to optimize a communication connection for the call by using the information relating to at least one property of the wireless communication device transmitted from the wireless communication device to the mobile communication network.

75. (New) The wireless communication system according to claim 72, comprising means for performing communication between the mobile communication network and another communication device, wherein the mobile communication network is arranged to transmit information relating to at least one property of the wireless communication device to said other communication device.

76. (New) The wireless communication system according to claim 75, further comprising means for establishing a call for transmitting information from said other communication device to the wireless communication device, wherein said other communication device is arranged to optimize the information to be transmitted to correspond with the properties of the wireless communication device by using the information relating to at least one property of the wireless

communication device transmitted to said other communication device.

77. (New) The wireless communication system according to claim 75, wherein said other communication device is located in a communication network other than the mobile communication network.

78. (New) The wireless communication system according to claim 75, wherein said other communication device is arranged to convert the information to be transmitted into a format suitable for the wireless communication device.

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79. (New) The wireless communication system according to claim 75, wherein mobile communication network is arranged to convert the information to be transmitted into a format suitable for the wireless communication device.

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